



Soil Experiment Instructions

In your kit you will find:

- Corn kernels
- Egg carton planters
- Toothpicks

-Part One-

In your backyard or on a walk, find three different types of soil. The first should consist of mostly sand or silt, the second should be distinctly clay-heavy, while the third soil is to be humus (rich in nutrients).

Here are some pictures of what each type of soil looks like.

SAND



CLAY



HUMUS



Fill each section of the egg carton planter with a different type of soil. Plant two corn kernels in each soil type. Gently water your planted seeds. Use the toothpicks and paper to make labels for the different soil types- *Sand, Clay, and Humus*. Properly stick the labels in their respective soil and place the planter near a sunny window. Make sure to water them a little every day.

-Part 2-

After your seeds are planted, start a journal in which to document their growth. Make note of the date as your first task is to observe how long it takes each plant to sprout. How many days did it take for each plant to peak through its unique type of soil? Did they all sprout at the same time? If not, which soil allowed its seeds to sprout first? How many days until the next seed sprouted? Once a sprout is apparent you will create one entry a week in your journal, marking its progress. (If the seeds have sprouted on different days, you may only have one or two plants to observe until the others grow, remember to make the days until they do grow.) These entries will consist of a colored pencil drawing depicting your corn sprout, and three to five sentences about the plants' progression. Approximately how tall has it grown? Does it have leaves? If so, what color are its leaves? How many leaves does it have? Are the different types of soil affecting their growth? How so? You will continue to create one entry a week until the 19th of April 2020.